

Product Data Sheet

Product Name: MRS 2905

Cat. No.: GC50222

Chemical Properties

Cas. No.

SMILES O[C@H]1[C@H](O)[C@H](N2C(NC(C=C2)=O)=S)O[C@@H]1COP(CP(O[Na])(O[Na])=O)(O[Na])=O

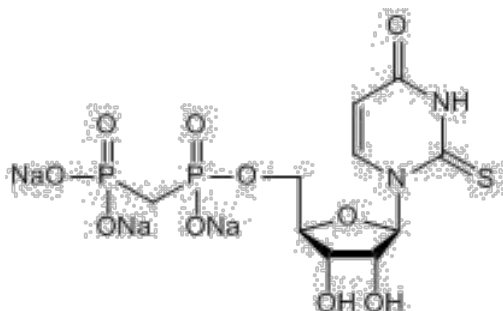
Formula C₁₀H₁₃N₂Na₃O₁₀P₂S M.Wt 484.2

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Potent and selective P2Y₁₄ receptor agonist (EC₅₀ = 0.92 nM). Exhibits >2000-fold selectivity over P2Y₆.

Das et al (2010) Human P2Y₁₄ receptor agonists: truncation of the hexose moiety of uridine-5'-diphosphoglucose and its replacement with alkyl and aryl groups J.Med.Chem. 53 471

PMID:19902968 |Lazarowski et al (2015) UDP-sugars as extracellular signaling molecules: cellular and physiologic consequences of P2Y₁₄ receptor activation. Mol.Pharmacol. 88 151 PMID:25829059

Caution: Product has not been fully validated for medical applications. For research use only.

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